

5. BACHELOR OF SCIENCE (B.SC.)-3 YEAR (SEMESTER I)

Eligibility Conditions:

Pass in Senior Secondary Certificate Examination (10+2 Standard) in five subjects of Board of School Education, Haryana OR any other examination recognized as equivalent thereto by the Kurukshetra University with **English** as one of the subjects.

OR

Pass in **three-year Diploma Programme** examination conducted by the Board of Technical Education, Haryana or any other Board of Technical Education in India and recognized by the Director, Technical Education, Haryana as equivalent thereto, with the subject of Communication Skill/English-I and Communication Skill/English - II.

However, candidates not having Mathematics at 10+2 level can choose Mathematics and Computer Science as Core/Major courses only after passing an entrance test in Mathematics (Standard) of 10+2 level conducted by CDOE. They will also have to pass an additional bridge course on the subject.

PROGRAMMES OF STUDY AND SCHEME OF EXAMINATIONS

Semester	Course Type	Course Code	Nomenclature of Course	Credits			Internal Assessment Marks			End Term Examinations Marks			Total Marks	Passing Marks (in aggregate)	Examination Hours
				Th	Pr.	Total	Th	Pr.	Total	Th	Pr.	Total			
FIRST YEAR SCHEME															
I	Core Courses (students have to otp any 3 core courses out of the following)	B23-MAT-101	Calculus	3	1	4	20	10	30	50	20	70	100	40	3
		B23-STA-101	Descriptive Statistics	3	1	4	20	10	30	50	20	70	100	40	3
		B26-CBA-101	Foundations of Business Analytics	4	-	4	30	-	30	70	-	70	100	40	3
		B23-CSE-101	Problem Solving through C	3	1	4	20	10	30	50	20	70	100	40	3
		B23-GEO-101	Physical Geography	3	1	4	20	10	30	50	20	70	100	40	3
	CC-M1	B23-ECO-103	Introductory Economics	2	-	2	15	-	15	35	-	35	50	20	3
	MDC-1	B23-COM-105	Personal Finance	3	-	3	25	-	25	50	-	50	75	30	3
	AEC-1	B23-AEC-111	English Language and Communication (Level-I)	2	-	2	15	-	15	35	-	35	50	20	3
	SEC-1	B23-SEC-101	Office and spreadsheet tools learning	2	1	3	15	5	20	35	20	55	75	30	3
	VAC-1	B23-VAC-101	Human Values and Ethics	2	-	2	15	-	15	35	-	35	50	20	3
Sub-Total				-	-	24	-	-	180	-	-	420	600	240	-
II	Core Courses (core courses opted in Sem. 1 will continue with following nomenclatures)	B23-MAT-201	Algebra and Number Theory	3	1	4	20	10	30	50	20	70	100	40	3
		B23-STA-201	Probability Theory and Distributions	3	1	4	20	10	30	50	20	70	100	40	3
		B26-CBA-201	Business Statistics & Excel Modeling	3	1	4	20	10	30	50	20	70	100	40	3
		B23-CSE-201	Web Development	3	1	4	20	10	30	50	20	70	100	40	3
		B23-GEO-201	Human Geography	3	1	4	20	10	30	50	20	70	100	40	3
	CC-M2	B23-ECO-202	Introduction to Indian Economy	2	-	2	15	-	15	35	-	35	50	20	3
	MDC-2	B23-COM-205	Fundamentals of Banking and Insurance	3	-	3	25	-	25	50	-	50	75	30	3
	AEC-2	B23-AEC-211	English Language and Communication (Level-2)	2	-	2	15	-	15	35	-	35	50	20	3
	SEC-2	B23-SEC-229	Customer Care & Interpersonal Skills	2	1	3	15	5	20	35	20	55	75	30	3
	VAC-2	B23-VAC-201	Environmental Studies	2	-	2	15	-	15	35	-	35	50	20	3
Sub-Total				-	-	24	-	-	180	-	-	420	600	240	-
SECOND YEAR SCHEME															
III	Core Courses (core courses opted in Sem. 1 will continue with following nomenclatures)	B23-MAT-301	Differential Equations-I	3	1	4	20	10	30	50	20	70	100	40	3
		B23-STA-301	Applied Statistics	3	1	4	20	10	30	50	20	70	100	40	3
		B26-CBA-301	Data Management & SQL	3	1	4	20	10	30	50	20	70	100	40	3
		B23-CSE-301	Operating Systems	3	1	4	20	10	30	50	20	70	100	40	3
		B23-GEO-301	Geography of India	3	1	4	20	10	30	50	20	70	100	40	3
	CC-M3	B23-ECO-304	Money, Banking and Finance	4	-	4	30	-	30	70	-	70	100	40	3
	MDC-3	B23-COM-305	Fundamentals of Indian Capital Markets	3	-	3	25	-	25	50	-	50	75	30	3
	AEC-3	B23-AEC-311	English Language and Communication (Level-3)	2	-	2	15	-	15	35	-	35	50	20	3
	SEC-3	B23-SEC-327	Reasoning	2	1	3	15	5	20	35	20	55	75	30	3
Sub-Total				-	-	24	-	-	180	-	-	420	600	240	
IV	Core Courses (core courses opted in Sem. 1 will continue with following nomenclatures)	B23-MAT-401	Analytics Geometry and Vector Calculus	3	1	4	20	10	30	50	20	70	100	40	3
		B23-STA-401	Statistical Inference	3	1	4	20	10	30	50	20	70	100	40	3
		B26-CBA-401	Data Visualization & Storytelling	3	1	4	20	10	30	50	20	70	100	40	3
		B23-CSE-401	Data Management with DBMS	3	1	4	20	10	30	50	20	70	100	40	3
		B23-GEO-401	Fundamentals of Economic Geography	3	1	4	20	10	30	50	20	70	100	40	3
	CC-M4(V)	B23-VOC-243	Ethical Hacking	3	1	4	20	10	30	50	20	70	100	40	3
	AEC-4	B23-AEC-411	English Language and Communication (Level-4)	2	-	2	15	-	15	35	-	35	50	20	3
	VAC-3	B23-VAC-412	Intellectual Property Rights	2	-	2	15	-	15	35	-	35	50	20	3
Sub-Total				-	-	20	-	-	150	-	-	350	500	200	

THIRD YEAR SCHEME																	
V	Core Courses (core courses opted in Sem. 1 will continue with following nomenclatures)	B23-MAT-501	Sequences and Series	3	1	4	20	10	30	50	20	70	100	40	3		
		B23-STA-501	Sample Surveys	3	1	4	20	10	30	50	20	70	100	40	3		
		B26-CBA-501	Introduction to Predictive Analytics	3	1	4	20	10	30	50	20	70	100	40	3		
		B23-CSE-501	Data Structures	3	1	4	20	10	30	50	20	70	100	40	3		
		B23-GEO-501	Statistical Methods in Geography	3	1	4	20	10	30	50	20	70	100	40	3		
	CC-M5(V)	B23-VOC-144	Digital Marketing Using CANVA	3	1	4	20	10	30	50	20	70	100	40	3		
	Internship			-	-	4	-	-	-	-	-	-	100	40			
Sub-Total			-	-	20	-	-	120	-	-	280	500	200				
VI	Core Courses (core courses opted in Sem. 1 will continue with following nomenclatures)	B23-MAT-601	Numerical Analysis	3	1	4	20	10	30	50	20	70	100	40	3		
		B23-STA-601	Design of Experiments	3	1	4	20	10	30	50	20	70	100	40	3		
		B26-CBA-601	Business Intelligence & Decision Strategy	4	-	4	30	-	30	70	-	70	100	40	3		
		B23-CSE-601	Computer Networks	3	1	4	20	10	30	50	20	70	100	40	3		
		B23-GEO-601	Fundamentals of Remote Sensing	3	1	4	20	10	30	50	20	70	100	40	3		
	CC-M6	B23-ECO-607	Fundamentals of Economic Development	4	-	4	30	-	30	70	-	70	100	40	3		
	CC-M7(V)	B23-VOC-345	UI/UX Design using FIGMA	3	1	4	20	10	30	50	20	70	100	40	3		
Sub-Total			-	-	20	-	-	150	-	-	350	500	200	-			
Total			-			-	-	132	-		960	-	-	2240	3300	1320	-